NAME	DATE	CLASS

STUDY GUIDE Chapter 1

Problem Solving

In each of the following statements, a term has been scrambled. Unscramble the term and write it on the line provided.

1	The steps needed to find the solution are usually obvious in an <i>sciereex</i> .
2	A process that uses certain skills to solve a problem is <i>tacilric kinthing</i> .
3	An explanation based on many observations supported by experimental results is a <i>yethor</i> .
4	A "rule of nature" that sums up related observations and experimental results to describe a pattern in nature is a <i>scenicifit wal</i>
5	An educated guess about the possible solution to a problem is a <i>pythoshise</i> .
6	An idea, system, or structure that represents something that is being explained is a <i>domel</i>
7	A hypothesis can be tested by conducting an <i>expertemin</i> .
8	The solution is not obvious and crucial information is missing in a <i>blepmor</i> .
9	The process by which the senses are used to gather information is called <i>stiobanroev</i> .
10	Physical science is concerned with the study of energy and <i>tramet</i> .
11	A theory must be based on many observations and supported by <i>talexpermeni</i> results.
12	Solving a problem involves finding missing <i>timrifonona</i> .

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REINFORCEMENT				Chapter 1
Problem Solving	•			
Complete the following.				
1. How does a problem differ f	from a	an exercise?		
Identify the sense you would use	e to mo	ake each of the following ob	bservations.	
	_2. tl	he distance between two po	pints	
	_3. tl	he loudness of a stereo syste	em	
	_4. tl	he saltiness of a stew		
	_5. tl	he number of students in a c	classroom	
	_6. d	determining whether bath w	ater was too hot or too cold	
	_7. d	determining whether milk in	a container has soured	
	_8. tl	he spiciness of a dinner		
Identify the sense that each obje	ect list	ted is designed to help.		
	_9. h	nearing aid		
	_10. n	nicroscope		
	_11. tl	hermometer		
	_12. r	ruler		
	_13. s	stereo headphones		
	_14. to	relescope		
	_15. s	stethoscope		
Place the following terms in log	ical o	order by writing the number.	s 1 through 4 in the space prov	vided.
16. theory				
17. scientific law				
18. hypothesis				
19. problem				
20. What is an experiment?				